

## CLAIMS

What is claimed is:

1. A linear compressor, comprising:  
outer and inner stators to form a magnetic field;  
a mover to move a piston while reciprocating between the outer and inner stators;  
a cylinder in which a refrigerant is compressed by the moving of the piston;  
a first threaded part formed on an inner surface of the inner stator; and  
a second threaded part formed on an outer surface of the cylinder to engage with the first threaded part.
2. The linear compressor as set forth in claim 1, wherein:  
the inner stator comprises an inner core to form a magnetic flux, and a holder to fasten the inner core; and  
the first threaded part is formed on an inner surface of the holder.